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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/648,140	08/25/2003	Richard Harvey	063170.6611	3247
5073	7590	07/25/2006	EXAMINER	
BAKER BOTTS L.L.P. 2001 ROSS AVENUE SUITE 600 DALLAS, TX 75201-2980			LEWIS, ALICIA M	
			ART UNIT	PAPER NUMBER
			2164	

DATE MAILED: 07/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/648,140

Applicant(s)

HARVEY ET AL.

Examiner

Alicia M. Lewis

Art Unit

2164

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 May 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.


SAM RIMELL
PRIMARY EXAMINER

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This office action is responsive to communication filed May 31, 2006. All claims remain in original form, thus claims 1-12 are pending in this application.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 3, 7 and 9 are rejected under 35 U.S.C. 102(e) as being anticipated by Gadbois et al. (US Patent Application Publication 2004/0002955 A1) ('Gadbois').

With respect to claims 1 and 7, Gadbois teaches:

providing a Web Services Directory (paragraph 5 lines 14-25, paragraph 21 lines 1-6) having object classes and attributes (Figure 2, paragraph 26); and
defining attributes of a specific type which correspond to a specific object class (elements 232, 242, 252 of Figure 2, paragraph 28).

With respect to claims 3 and 9, Gadbois teaches wherein the specific object class relates to at least one of keyed references, names and classes (paragraph 38, paragraph 64).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 2, 4-6, 8 and 10-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gadbois et al. (US Patent Application Publication 2004/0002955 A1) ('Gadbois') in view of Srinivasan et al. (US Patent 6,834,286 B2) ('Srinivasan').

With respect to claims 2 and 8, Gadbois teaches claims 1 and 7.

Gadbois does not explicitly teach wherein the object classes are a subclass of an abstract object class.

Srinivasan teaches a method and system for representing and accessing object-oriented data in a relational database system (see abstract), in which he teaches wherein the object classes are a subclass of an abstract object class (column 14 lines 18-36).

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Gadbois by the teaching of Srinivasan because wherein the object classes are a subclass of an abstract object class would enable an improved method and system for storing and maintaining object-oriented data in an RDBMS, more particularly for storing and maintaining directory information objects, such as LDAP data, in an RDBMS (Srinivasan, column 4 lines 25-31).

With respect to claims 4 and 10, Gadbois as modified teaches wherein the object class is an auxiliary object class (Srinivasan, column 15 lines 15-21).

With respect to claims 5 and 11, Gadbois as modified teaches wherein the auxiliary object class is a Publisher Assertion Keyed Reference (Gadbois, paragraphs 38-39, paragraph 47, paragraph 64).

With respect to claims 6 and 12, Gadbois as modified teaches further comprising providing specific attributes which relate to one object class for a purpose of enhancing searching (Srinivasan, column 9 lines 1-11).

Response to Arguments

5. Applicant's arguments filed May 31, 2006 have been fully considered but they are not persuasive. Applicant argues that Gadbois does not define an object class entitled "organizations" and that only a single object class and a single attribute have been

identified in rejecting claim 1. Examiner disagrees. Paragraph 26 of Gadbois discloses that object classes are used to define each node in the DIT. Therefore, several object classes are identified by Gadbois, as can be seen in Figure 2. Furthermore, several of the object classes in Figure 2 have attributes associated with them. Paragraph 28 discloses that there are number of interior sub-nodes which contain further information about each respective organization. For example, organization1 has attributes groups, business services and publisher assertions.

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alicia M. Lewis whose telephone number is 571-272-

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5599. The examiner can normally be reached on Monday - Friday, 9 - 6:30, alternate Friday off, alternate Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Rones can be reached on 571-272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Alicia Lewis
July 18, 2006


SAM RIMELL
PRIMARY EXAMINER